

1/4

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0                               20                               40
GAAAATGGCGCCTCACGGCCCCGGGTAGTCTTACGACCCTGGTGCCCTGGGCTGCCGCCCT
-----+-----+-----+-----+-----+-----+-----+-----
CTTTTACCGCGGAGTGCCGGGCCCATCAGAATGCTGGGACCACGGGACCCGACGGCGGGA
  M  A  P  H  G  P  G  S  L  T  T  L  V  P  W  A  A  A  L

60                               80                               100
GCTCCTCGCTCTGGGCGTGGAAGGGCTCTGGCGCTACCCGAGATATGCACCCAATGTCC
-----+-----+-----+-----+-----+-----+-----+-----
CGAGGAGCGAGACCCGCACCTTTCCCGAGACCGCGATGGGCTCTATACGTGGGTTACAGG
L  L  A  L  G  V  E  R  A  L  A  L  P  E  I  C  T  Q  C  P

120                               140                               160
AGGGAGCGTGCAAAATTTGTCAAAGTGGCCTTTTATTGTAAAACGACACGAGAGCTAAT
-----+-----+-----+-----+-----+-----+-----+-----
TCCCTCGCACGTTTTAAACAGTTTTTACCGGAAAATAACATTTTGCTGTGCTCTCGATTA
  G  S  V  Q  N  L  S  K  V  A  F  Y  C  K  T  T  R  E  L  M

180                               200                               220
GCTGCATGCCCGTTGCTGCCTGAATCAGAAGGGCACCATCTTGGGGCTGGATCTCCAGAA
-----+-----+-----+-----+-----+-----+-----+-----
CGACGTACGGGCAACGACGGACTTAGTCTTCCCGTGGTAGAACCCCGACCTAGAGGTCTT
  L  H  A  R  C  C  L  N  Q  K  G  T  I  L  G  L  D  L  Q  N

240                               260                               280
CTGTTCTCTGGAGGACCCTGGTCCAACTTTTCATCAGGCACATACCACTGTCATCATAGA
-----+-----+-----+-----+-----+-----+-----+-----
GACAAGAGACCTCCTGGGACCAGGTTTGAAAGTAGTCCGTGTATGGTGACAGTAGTATCT
  C  S  L  E  D  P  G  P  N  F  H  Q  A  H  T  T  V  I  I  D

300                               320                               340
CCTGCAAGCAAACCCCTCAAAGGTGACTTGGCCAACACCTTCCGTGGCTTTACTCAGCT
-----+-----+-----+-----+-----+-----+-----+-----
GGACGTTTCGTTTGGGGGAGTTTCCACTGAACCGGTTGTGGAAGGCACCGAAATGAGTCGA
  L  Q  A  N  P  L  K  G  D  L  A  N  T  F  R  G  F  T  Q  L

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FIG. 1A

360 380 400
 CCAGACTCTGATACTGCCACAACATGTCAACTGTCCTGGAGGAATTAATGCCTGGAATAC
 -----+-----+-----+-----+-----+-----+-----+-----
 GGTCTGAGACTATGACGGTGTGTGACAGTTGACAGGACCTCCTTAATTACGGACCTTATG
 Q T L I L P Q H V N C P G G I N A W N T

 420 440 460
 TATCACCTCTTATATAGACAACCAATCTGTCAAGGGCAAAGAACCTTTGCAATAACAC
 ---+-----+-----+-----+-----+-----+-----+-----+-----
 ATAGTGGAGAATATATCTGTTGGTTTAGACAGTTCCCGTTTTCTTGAAACGTTATTGTG
 I T S Y I D N Q I C Q G Q K N L C N N T

 480 500 520
 TGGGGACCCAGAAATGTGTCCTGAGAATGGATCTTGTGTACCTGATGGTCCAGGTCTTTT
 ---+-----+-----+-----+-----+-----+-----+-----+-----
 ACCCCTGGGTCTTTACACAGGACTCTTACCTAGAACACATGGACTACCAGGTCCAGAAAA
 G D P E M C P E N G S C V P D G P G L L

 540 560 580
 GCAGTGTGTTTGTGCTGATGGTTTCCATGGATAACAAGTGTATGCGCCAGGGCTCGTTCTC
 ---+-----+-----+-----+-----+-----+-----+-----+-----
 CGTCACACAAACACGACTACCAAAGGTACCTATGTTACATACGCGGTCCCGAGCAAGAG
 Q C V C A D G F H G Y K C M R Q G S F S

 600 620 640
 ACTGCTTATGTTCTTCGGGATTCTGGGAGCCACCACTCTATCCGTCTCCATTCTGCTTTG
 ---+-----+-----+-----+-----+-----+-----+-----+-----
 TGACGAATACAAGAAGCCCTAAGACCCTCGGTGGTGAGATAGGCAGAGGTAAGACGAAAC
 L L M F F G I L G A T T L S V S I L L W

 660 680 700
 GGCGACCCAGCGCCGAAAAGCCAAGACTTCATGAACACATAGGTCTTACCATTGACCTA
 ---+-----+-----+-----+-----+-----+-----+-----+-----
 CCGCTGGGTGCGCGGCTTTTCGGTTCTGAAGTACTTGATGTATCCAGAATGGTAACTGGAT
 A T Q R R K A K T S *

FIG. 1B

720 740 760
AGATCAATCTGAACTATCTTAGCCCAGTCAGGGAGCTCTGCTTCCTAGAAAGGCATCTTT
---+-----+-----+-----+-----+-----+-----+-----
TCTAGTTAGACTTGATAGAATCGGGTCAGTCCCTCGAGACGAAGGATCTTTCCGTAGAAA
780 800 820
CGCCAGTGGATTTCGCCTCAAGGTTGAGGCCGCCATTGGAAGATGAAAAATTGCACTCCCT
---+-----+-----+-----+-----+-----+-----+-----
GCGGTCACCTAAGCGGAGTTCCAACCTCCGGCGGTAACCTTCTACTTTTTTAACGTGAGGGA
840 860 880
TGGTGTAGACAAATACCAGTTCCCATTTGGTGTGTTGCCTATAATAAACACTTTTTTCTT
---+-----+-----+-----+-----+-----+-----+-----
ACCACATCTGTTTATGGTCAAGGGTAACCACAACAACGGATATTATTTGTGAAAAAAGAA
900
TTTTAAAAAAAAAAAAAAAAAAAA
---+-----+-----
AAAATTTTTTTTTTTTTTTTTTTT

FIG. 1C

Human TGF α	VVSHFND	CPDSHTQF	-CFH	-GTCRFLVQEDKPA	CVCHSGYVGARCEHADLLA
TGF α -HIII	GQKNLCNN	TGDP	EMCPENG	SCVDPDGPGLLQ	-CVCADGFHGYKCMRQGSFSLIM

FIG. 2